| one eighth inch = one foot 0 | one quarter inch = one foot | three eighths inch = | = one foot 4 | one half in | ch = one foot | three quarters inch | n = one foot | one inch = one foot 6" 0 | one and one half inches = one 2 6** 0 | foot three inches = one foot 6" |
|--|--|---|--|---|---|--|---|--|--|--|
| ISSUED FOR REBID FINAL CD-SUBMISSION 95% SUBMISSION 65% SUBMISSION Revisions: | | | | | | | | | | |
| 05-23-13 12-21-12 11-30-12 Date | NOTES: 1. REPLACE STEAM TRAP WITH NEW PUN | 38 SUB-BASEMENT COL. Z27 SUB BASEMENT STAIRWELL #8 PRV LOW PRESSURE DRIP SUB BASEMENT STAIRWELL #8 PRV HIGH PRESSURE DRIP | SUB-BASEMENT COL. H18/A SUB-BASEMENT COL. Z29 SUB-BASEMENT COL. Z27 | SUB-BASEMENT BY COL. H28/A SUB-BASEMENT COL. H24 AT W SUB-BASEMENT COL. H24 AT W | 27 SUB-BASEMENT COL. P29 28 SUB-BASEMENT COL. L29 29 SUB-BASEMENT (DOOR #8) COL 30 SUB-BASEMENT BY COL. D30 (N | 24 BA-109 MECH. ROOM AERCO W/DRIP 24A BA-109 MECH. ROOM AERCO W/DRIP 25 WALL BY AERCO UNITS BA-109 MECH. ROOM MEDIUM PIWALL BY AERCO UNITS BA-109 MECH. ROOM HIGH PRESWALL BY AERCO UNITS | 20 BA-109 MECH. ROOM HEAT EXC 21 BA-109 MECH. ROOM AERCO W/ 22 BA-109 MECH. ROOM AERCO W/ BA-109 MECH. ROOM AERCO W/ | BA-109 MECH. ROOM AC-5 BA-109 MECH. ROOM HEA- | BA-109 MECH. ROOM AC-52 STE SUPPLY DRIP BA-109 MECH. ROOM MAIN STEA AC-52 AHU 10 BA-109 MECH. ROOM MAIN UNIT 11 BA-109 MECH. ROOM AC-51 STE 12 BA-109 MECH. ROOM AC-51 STE 13 BA-109 MECH. ROOM ABOVE TR 14 BA-109 MECH. ROOM ABOVE TR | STEAM TRAP TAG NO. 1 BA-109 MECH. ROOM #H2 2 BA-109 MECH. ROOM DRIP BY #2 3 BA-109 MECH. ROOM AC-53 STE 4 BA-109 MECH. ROOM AC-53 STE 5 SUPPLY 6 BA-109 MECH. ROOM AC-52 STE TRAP 7 BA-109 MECH. ROOM AC-52 STE |
| FREDRICK, FREDRICK & HI ENGINEERS, INC. 672 EAST ROYALTON ROAD BROADVIEW HTS., OHIO 4414: TEL. (440) 546-9699 FAX: (440) 546-9699 | 1P/TRAP. SEE DETAIL 3 ON DWG. 1-02 & SF | MECH. ROOM 02 - 3-SB-2 MECH. ROOM 02 - 3-SB-2 | 3-SB- | 3-SB-4 ALL 3-SB-4 | 3-SB-4 3-SB-4 . P39 3-SB-4 EAR STAIRWELL #9) 3-SB-4 | ATER HEATER #1 ATER HEATER #1 3-B-5 RESSURE DRIP AT 3-B-5 SSURE DRIP AT 3-B-5 | HANGER 3-B-5 ATER HEATER #2 3-B-5 ATER HEATER #1 3-B-5 ATER HEATER #2 3-B-5 | JPPLY DRIP 3-B- JPPLY DRIP 3-B- ER 3-B- ER 3-B- ER 3-B- | EAM COIL 3-B-5 THEATER #1 SUPPLY 3-B-5 TER #1 3-B-5 EAM COIL 3-B-5 EAM COIL 3-B-5 3-B-5 | LOUIS STOKES VA TEAM TRAP MONITORING SYS TEAM TRAP MONITORING SYS TRAP DRAWING REFERENCE NO. LOCATION 3-B-5 AM COIL, RIGHT 3-B-5 AM COIL, RIGHT 3-B-5 AM COIL, RIGHT 3-B-5 |
| & HELLER INC. ROAD 0 44147 | PECIFICATION 22 23 13. | 2 B 2 1/2" S 2 B 6 3/4" S 2 B 5 3/4" S | D D F 4 | | 4 D 4 3/4" SF 4 D 3 3/4" SF 4 O 3 TECHT 4 B 3 3/4" SF | 5 F 2 3/4" S 5 F 16 3/4" N 5 F 9 3/4" S | | F 12 3/4" F 12 3/4" F 3 2"S F 3 2"S 7 11/4 | 5 F 10 3/4"S 5 F 10 3/4"S 5 F 2 2"SP 5 F 12 3/4"S | MEDICAL CENTER, CLEVELAND STEM, INSULATION AND PIPING AREA TRAP TYPE F 10 3/4" SPIRA 5 F 2 2" SPIRA 5 F 2 2" SPIRA 5 F 2 2" SPIRA |
| BRIAN WIDOWSKI 66625 CHILLING THE OF ON THE OT | COLUMN REFERENCE NOTES: ① FURNISH AND INSTALL AN ACOUSTIC WIRELESS ② REPLACE OR REPAIR STEAM TRAP IN ACCORDAY ③ REMOVE STEAM/CONDENSATE LEAK IN ACCORDAY ⑤ COLD STEAM TRAPS: REPAIR THE VALVES, CONTRAP THAT WERE FOUND TO BE COLD. FIX ALL ITEM/ALTERNATE NO. 1. ⑥ REPLACE THE EXISTING COPPER PIPING WITH NEWORK. SEE THE SPECIFICATIONS FOR THE REQUIRE ⑦ FURNISH AND INSTALL NEW STEAM VACUUM BRE | PIRAX B1H-125 15 STEAM MAIN PIRAX B1H-125 15 STEAM MAIN PIRAX B1H-125 115 STEAM MAIN PIRAX B1H-125 115 DRIP | PIRAX FT-125 0 ROFICIENT NOLOGIES HGEBB52 ROFICIENT NOLOGIES HGGGBB2 0 | PIRAX B1H-125 30 STI PIRAX B1H-125 30 STI PIRAX FT-125 0 STI | PIRAX TD-52L PIRAX TD-52L PIRAX TD-52L ROFICIENT NOLOGIES TGETB7 PIRAX TD-52L PIRAX B1H-125 115 STEAM MAIN DRIP STEAM MAIN DRIP STEAM MAIN DRIP | PIRAX FT-30 12 STI DF ICHOLSON FTN-75 25 STI DF PIRAX FT-30 25 DF PIRAX TD-52L 115 DF | 12M EX 0 12M EX 0 12M EX 12 ST DI | PIRAX FT-30 12 STE PIRAX FT-30 12 STE IRAX FTB-30 12M EXC NICHOLSON FTN-30 12M EXC IRAX FTB-30 12M EXC IRAX FTB-30 12M EXC | PIRAX FT-30 12 DRIP TRANS FT-30 DRIP TRANS FT-30 DRIP TRANS FT-30 12 DRIP TRANS FT-30 DRIP TRANS FT-30 12 DRIP TRANS FT-30 DRIP TRAN | UPGRADES ODEL, MFG. & PIPE SIZE AX FT-30 AX FT-30 C FTB-30 C FTB-30 12M STEAM C FTB-30 12M STEAM C FTB-30 12M STEAM STEAM C FTB-30 12M STEAM |
| | STEAM TRAP MONITOR NCE WITH DESCRIPTIO NDENSATE PIPING TO A NCE WITH DESCRIPTIC ANCE WITH DESCRIPTIC TROLS ETC. AS DESCRIPTIC TROLS ETC. AS DESCRIPTIC S FOUND TO BE NEEDING EW STEEL PIPE AND RE D MATERIALS AND FITT EAKERS IN ACCORDANCE | AIN OK STEAM TRAP IS OK. HAS OF 6", 4FT OF 3" 115 PSIC AIN CO REPAIR KIT. INSPECTED AIN OK INSPECTED 7/26/12. | AIN CO STEAM TRAP COLD OU STRAIGHTEN. INSPECTAIN CO #811-125 INVERTED BUTTEN BU | AIN OK STEAM TRAP IS OK. HAS INSPECTED 7/24/12. AIN CO STEAM TRAP IS COLD CREPAIR KIT. INSPECTED AIN CO STEAM TRAP COLD OUT #811-125 INVERTED BUG | OK STEAM TRAP IS OK. WHOK INSPECTED 7/24/12. OK STEAM TRAP IS OK. WHOK INSPECTED 7/24/12. CO STEAM TRAP IS COLD COK STEAM TRAP IS OK. WHOK HAS COPPER CONDENS REPAIR WITH SPIRAX ## | OK/LK STEAM TRAP IS OK. WHO STEAM TRAP IS OK. WHO STEAM TRAP IS OK. WHO COPPER PIPING CONDESTEAM TRAP IS OK. WHO STEAM TRAP IS OK. | OK STEAM TRAP INSTA KIT. HAS STEAM SI CO STEAM TRAP IS CO VACUUM BREAKER OK INSPECTED 7/23/12 STEAM TRAP OK. H INSPECTED 7/23/12 | OK STEAM TRAP OK. W OK STEAM TRAP OK. W STEAM TRAP INSTA FTB-30 F&T TRAP R STEAM TRAP INSTA REPAIR KIT. INSPE STEAM TRAP OK. W SHELL. NEW TAG. I STEAM TRAP INSTA KIT. HAS STEAM SI | AP OK STEAM TRAP IS OK. WHAP OK STEAM TRAP IS OK. WHEN THERE OR STEAM TRAP IS OK. WHOR 3/4" TUNSTALL TA-F TUNSTALL VB-3/4" STEAM TRAP INSTALLE OIL OK REPAIR KIT. HAS NO VA AND STEAM TRAP INLE STEAM TRAP INLE STEAM TRAP INLE STEAM TRAP INSTALLE OIL OK REPAIR KIT. INSPECTE STEAM TRAP OK. WHEN | TER OK NEW STEAM TRAP OK, I NEW STEAM TRAP IS OK. WHOR 3/4" TUNSTALL TA-F STEAM TRAP INSTALL TA-F STEAM TRAP INSTALLE OIL OK STEAM TRAP INSTALLE OIL OK STEAM TRAP INSTALLE OIL OK TRAP INLET. INSPECTE STEAM TRAP INSTALLE OIL OK TRAP INI ET INSPECTE |
| ARCHITECT: | RING SENSOR PER SPECIFICATIONS. N IN REMARKS COLUMN. A POINT WHERE THE CONDENSATE LINE IS LIVE. CAP. NIN REMARKS COLUMN. IN REMARKS COLUMN. INVESTIGATE AND DETERMINE THE REASON FOR ANY OTHER NON-FUNCTIONING STEAM RIBED IN THE REMARKS COLUMN. INVESTIGATE AND DETERMINE THE CONTROL VALVES REQUIRE REPAIR OR REPLACEMENT.) DEDUCT NG REPAIR. (FOR PURPOSES OF THIS BID ASSUME THE CONTROL VALVES REQUIRE REPAIR OR REPLACEMENT.) DEDUCT PLACE THE EXISTING DIELECTRIC UNIONS AND NIPPLES WITH EQUIVALENT SIZES. SEE THE REMARKS COLUMN FOR REQUIRED TINGS. INSULATE ALL NEW & EXISTING BARE PIPE. DEDUCT ALTERNATE NO. 2. SE WITH THE REMARKS COLUMN. | AS NEW 1/2" SPIRAX B1H-125 INVERTED BUCKET TRAP. WHEN WORN, REPAIR WITH SPIRAX #80004 REPAIR KIT. 4 FT. SIG BARE STEAM PIPE AND 3" 90 ELBOW NEEDS INSULATION. INSPECTED 7/24/12. OUT OF SERVICE. HAS NEW 3/4" SPIRAX B1H-125 INVERTED BUCKET TRAP. IF REQUIRED, REPAIR WITH SPIRAX #80004 ED 7/26/12. AS NEW 3/4" SPIRAX B1H-125 INVERTED BUCKET TRAP. WHEN WORN, REPAIR WITH SPIRAX #80004 REPAIR KIT. | OF SERVICE. IF REQUIRED, REPAIR WITH TUNSTALL 1FP-SA-125 FACE PLATE REPAIR KIT. TRAP IS TILTE D 7/24/12. OF SERVICE, DISCONNECTED. IF REQUIRED, REPLACE WITH NEW 3/4" SPIRAX B1H-125 OR 3/4" ARMSTROKET STEAM TRAP. INSPECTED 7/24/12. OF SERVICE, DISCONNECTED. IF REQUIRED, REPLACE WITH NEW 3/4" SPIRAX B1H-125 OR 3/4" ARMSTROKET STEAM TRAP. INSPECTED 7/24/12. | NEW 3/4" SPIRAX B1H-125 INVERTED BUCKET TRAP. WHEN WORN, REPAIR WITH S UT OF SERVICE. HAS NEW 3/4" SPIRAX B1H-125 INVERTED BUCKET TRAP. IF REQUII 7/24/12. OF SERVICE, DISCONNECTED. IF REQUIRED, REPLACE WITH NEW 3/4" SPIRAX B1H KET STEAM TRAP. INSPECTED 7/24/12. | WHEN WORN, REPLACE WITH NEW 3/4" SPIRAX B1H-125 OR 3/4" ARMSTRONG #811-125 INVERTED BUCKET STEAM TRAP. WHEN WORN, REPLACE WITH NEW 3/4" SPIRAX B1H-125 OR 3/4" ARMSTRONG #811-125 INVERTED BUCKET STEAM TRAP. OUT OF SERVICE, DISCONNECTED. INSPECTED 7/24/12. WHEN WORN, REPLACE WITH NEW 3/4" SPIRAX B1H-125 OR 3/4" ARMSTRONG #811-125 INVERTED BUCKET STEAM TRAP. VISATE PIPING. INSPECTED 7/24/12. PLUGGED. STEAM INLET VALVE FROZEN SHUT. HAS NEW 3/4" SPIRAX B1H-125 INVERTED BUCKET TRAP. IF REQUIRED, #80004 REPAIR KIT. HAS 20 FT. OF COPPER CONDENSATE LINE AT TRAP DISCHARGE. INSPECTED 7/24/12. | WHEN WORN, REPAIR WITH TUNSTALL 1FP-SA-30 FACE PLATE REPAIR KIT. INLET 3/4" STEAM TRAP UNION LEAKS ECTED 7/23/12. WHEN WORN, REPAIR WITH TUNSTALL 1FP-SA-75 FACE PLATE REPAIR KIT. NEW TAG. INSPECTED 7/23/12. WHEN WORN, REPAIR WITH TUNSTALL 1FP-SA-30 FACE PLATE REPAIR KIT. DIE-ELECTRIC UNION AT OUTLET AND DENSATE, LEAKS REPAIR. INSPECTED 7/23/12. WHEN WORN, REPLACE WITH NEW 3/4" SPIRAX B1H-125 OR 3/4"ARMSTRONG 811 -125 INVERTED BUCKET STEAM TRAP. WHEN WORN, REPLACE WITH NEW 3/4" SPIRAX B1H-125 OR 3/4"ARMSTRONG 811 -125 INVERTED BUCKET STEAM TRAP. WHORN, REPLACE WITH NEW 3/4" SPIRAX B1H-125 OR 3/4"ARMSTRONG 811 -125 INVERTED BUCKET STEAM TRAP. WHEN WORN, REPAIR. INSPECTED | IN PARALLEL WITH TRAP #19. STEAM TRAP OK. WHEN WORN REPAIR STEAM TRAP WITH 2" SPIZE VACUUM BREAKER IN SHELL. INSPECTED 7/23/12 UT OF SERVICE. IF REQUIRED, REPAIR WITH TUNSTALL 4RK-SA-30 FACE PLATE REPAIR KIT. HAS VLET. INSPECT Y-STRAINER. INSPECTED 7/23/12. EN WORN, REPAIR WITH TUNSTALL 4RK-SA-30 FACE PLATE REPAIR KIT. HAS VACUUM BREAKER EW 3/4" SPIRAX FT-30 F&T STEAM TRAP, WHEN WORN, REPAIR WITH TUNSTALL 1FP-SA-30 FACE F | WORN, REPAIR STEAM TRAP WITH TUNSTALL 1FP-SA-30 FACE PLATE REPAIR KIT. INSPECTED 7/23/ WORN, REPAIR STEAM TRAP WITH TUNSTALL 1FP-SA-30 FACE PLATE REPAIR KIT. INSPECTED 7/23/ IN PARALLEL WITH TRAP #18. STEAM TRAP HAS SLIGHT LEAKAGE. REPAIR DEFECTIVE STEAM TRAP KIT. HAS STEAM SERVICE VACUUM BREAKER IN SHELL. INSPECTED 7/23/12 IN PARALLEL WITH TRAP #17. STEAM TRAP OK. WHEN WORN REPAIR WITH 2" SPIRAX FTB-30 F&T: 7/23/12 WORN, REPAIR STEAM TRAP WITH TUNSTALL #3FP-SA-30 FACE PLATE REPAIR KIT. HAS VACUUM BF CTED 7/23/12. IN PARALLEL WITH TRAP #20. STEAM TRAP OK. WHEN WORN REPAIR STEAM TRAP WITH 2" SPIRA E VACUUM BREAKER IN SHELL. INSPECTED 7/23/12 | WHEN WORN, REPAIR WITH TUNSTALL 1FP-SA-30 FACE PLATE REPAIR KIT. INSPECTED 7/23/12. WHEN WORN, REPAIR WITH TUNSTALL 1FP-SA-30 FACE PLATE REPAIR KIT. INSPECTED 7/23/12. WHEN WORN, REPAIR WITH TUNSTALL 1FP-SA-30 FACE PLATE REPAIR KIT. INSPECTED 7/23/12. XHEN WORN, REPAIR WITH TUNSTALL 1FP-SA-15 FACE PLATE REPAIR KIT OR REPLACE WITH NEW 3/4" SPIRAX FT-15 FT3-15 F8T TRAP. UNIT HEATER FAN DOES NOT TURN ON. NO VACUUM BREAKER INSTALLED, SHOULD HAVE AM SERVICE VACUUM BREAKER INSTALLED BETWEEN COIL OUTLET AND STEAM TRAP INLET. INSPECTED 7/23/12 ED IN PARALLEL WITH TRAP #13. STEAM TRAP OK. WHEN WORN REPAIR WITH 2" SPIRAX FTB-30 F&T STEAM TRAP ED IN PARALLEL WITH TRAP #12. STEAM TRAP OK. WHEN WORN REPAIR WITH 2" SPIRAX FTB-30 F&T STEAM TRAP ED 7/23/12. IN WORN, REPAIR STEAM TRAP WITH TUNSTALL 1FP-SA-30 FACE PLATE REPAIR WITH 2" SPIRAX FTB-30 F&T STEAM TRAP ED 7/23/12. | REMARKS REMARKS REMARKS REPAIR WITH TUNSTALL 1FP-SA-30 FACE PLATE REPAIR KIT OR REPLACE WITH NEW 3/4" SPIRAX FT3-30 FT TRAP. INSPECTED 7/23/12. REDIN PARALLEL WITH TRAP #4. STEAM TRAP HAS SLIGHT LEAKAGE. REPAIR DEFECTIVE STEAM TRAP WITH 2" SPIRAX FTA AIR KIT. HAS NO VACUUM BREAKER. INSTALL TUNSTALL VB-3/4 STEAM SERVICE VACUUM BREAKER BETWEEN COIL. ED IN PARALLEL WITH TRAP #3. STEAM TRAP HAS SLIGHT LEAKAGE. REPAIR DEFECTIVE STEAM TRAP WITH 2" SPIRAX FTA PINET. INSPECTED 7/23/12. ED IN PARALLEL WITH TRAP #3. STEAM TRAP HAS SLIGHT LEAKAGE. REPAIR DEFECTIVE STEAM TRAP WITH 2" SPIRAX FTA PINET. INSPECTED 7/23/12. SOME WEAR. WHEN WORN, REPAIR WITH TUNSTALL VB-3/4 STEAM SERVICE VACUUM BREAKER BETWEEN COIL. TRAP INLET. INSPECTED 7/23/12. SOME WEAR. WHEN WORN, REPAIR WITH TUNSTALL 1FP-SA-30 FACE PLATE REPAIR KIT. INSPECTED 7/23/12. ED IN PARALLEL WITH TRAP #7. WHEN WORN, REPAIR STEAM TRAP WITH 2" SPIRAX FTB-30 F&T STEAM TRAP REPAIR ED IN PARALLEL WITH TRAP #8. WHEN WORN, REPAIR STEAM TRAP WITH 2" SPIRAX FTB-30 F&T STEAM TRAP REPAIR ED IN PARALLEL WITH TRAP #8. WHEN WORN, REPAIR STEAM TRAP WITH 2" SPIRAX FTB-30 F&T STEAM TRAP REPAIR ED IN PARALLEL WITH TRAP #8. WHEN WORN, REPAIR STEAM TRAP WITH 2" SPIRAX FTB-30 F&T STEAM TRAP REPAIR ED IN PARALLEL WITH TRAP #8. WHEN WORN, REPAIR STEAM TRAP WITH 2" SPIRAX FTB-30 F&T STEAM TRAP REPAIR ED IN PARALLEL WITH TRAP #8. WHEN WORN, REPAIR STEAM TRAP WITH 2" SPIRAX FTB-30 F&T STEAM TRAP REPAIR ED IN PARALLE WITH TONSTALL VB-3/4 STEAM SERVICE VACUUM BREAKER BETWEEN STEAM COIL OUTLET AND STEAM X FTB-703/12. |
| STEAM TRAP AND WO TRAPS 1-40 Approved: Project Director | ® FURNISH AND INSTALL NEW Y-STRAINERS BE ® REPIPE ELEVATED CONDENSATE PIPING AT I ® NO WORK REQUIRED NO WORK REQUIRED NO WORK REQUIRED MISCELLANEOUS | * | × × × | × × | × × | × × × | × | * | NOTE 1 | TRAP TRAP REPLACE/ TRAP REMOVE REPAIR REPAIR NOTE 1 NOTE 1 NOTE 1 NOTE 1 |
| RK SCHEDULE | TWEEN SHUT-OFF VALVE AND IN OCATIONS NOTED. SEE DETAILS | × | × × × | × × | REPLACE X | × × × × | × | | | COLD REPLACE COPPER PIP & UNIONS LEAK ALT NO. 1 NO. 2 |
| Project Title STEAM TRAP MONITORING, INSULATION AND PIPING UPGRADES Location VAMC - WADE PARK Date 12-21-12 Checked JMF | LET TO STEAM TRAP. 3 ON DRAWINGS {3-PH-4 4-02 4-03 4-04 4-05 } | | | | | | | | | SERVICE VACUUM STRAINER CONDENSATE PIPE TO X X |
| Project Number 541-12-115 Building Number 1 Drawing Number 2-01 Mana | | | | | | | | | | COCATE TRAPS OUTSIDE AHUS JACKETS REMOVABLE INSULATION INSULATION INSULATION |
| ce of lities gement | | | | | | D | | <u> </u> | | MISC. |